

Title (en)
POLYARYLENE SULFIDE RESIN, MANUFACTURING METHOD THEREFOR, AND MOLDING

Title (de)
POLYARYLENSULFIDHARZ, HERSTELLUNGSVERFAHREN DAFÜR UND FORMUNG

Title (fr)
RÉSINE DE POLY(SULFURE D'ARYLÈNE), PROCÉDÉ DE FABRICATION DE CELLE-CI, ET MOULAGE

Publication
EP 3034542 A1 20160622 (EN)

Application
EP 14841865 A 20140902

Priority
• JP 2013182604 A 20130903
• JP 2014073090 W 20140902

Abstract (en)
The present invention relates to a method for manufacturing a polyarylene sulfide resin comprising: a step of reacting a poly(arylenesulfonium salt) having a constitutional unit represented by the following formula (1) with an aliphatic amide compound to obtain a polyarylene sulfide resin having a constitutional unit represented by the following formula (2): wherein R 1 represents a direct bond, -Ar 2 -, -Ar 2 -S- or -Ar 2 -O-; Ar 1 and Ar 2 each represent an arylene group optionally having a functional group as a substituent; R 2 represents an alkyl group having 1 to 10 carbon atoms or an aromatic group optionally having an alkyl group having 1 to 10 carbon atoms as a substituent; and X - represents an anion, wherein R 1 and Ar 1 are the same as described above.

IPC 8 full level
C08G 75/02 (2016.01); **C08G 75/14** (2006.01); **C08L 81/02** (2006.01); **C08G 75/00** (2006.01)

CPC (source: EP US)
C08G 75/02 (2013.01 - EP US); **C08G 75/029** (2013.01 - US)

Cited by
US9994679B2; US10287396B2; US10377705B2; US10184028B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3034542 A1 20160622; **EP 3034542 A4 20170426**; **EP 3034542 B1 20190130**; CN 105492499 A 20160413; CN 105492499 B 20170808; JP 2015048448 A 20150316; JP 6327616 B2 20180523; KR 101803822 B1 20180110; KR 20160050057 A 20160510; TW 201512306 A 20150401; TW I633155 B 20180821; US 10072124 B2 20180911; US 2016194450 A1 20160707; US 2017218125 A1 20170803; US 9657141 B2 20170523; WO 2015033938 A1 20150312

DOCDB simple family (application)
EP 14841865 A 20140902; CN 201480048467 A 20140902; JP 2013182604 A 20130903; JP 2014073090 W 20140902; KR 20167008427 A 20140902; TW 103130430 A 20140903; US 201414916008 A 20140902; US 201715490038 A 20170418